



Republic of the Philippines  
**NEGROS ORIENTAL STATE UNIVERSITY**  
 R.A. 9299 June 24, 2004

Kagawasan Avenue, Dumaguete City, Negros Oriental, Philippines 6200  
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**COLLEGE OF INDUSTRIAL TECHNOLOGY**  
**AACUP Accredited Level II (RE-Accredited Status)**  
**TESDA- Registered Institution**  
 Phone :(63)(35) 225-9400-133

**PROSPECTUS in BACHELOR OF TECHNOLOGICAL EDUCATION (BTE)**  
 Major in  
**ELECTRONICS TECHNOLOGY**  
 Course Curriculum, Effective SY 2008-09

Name: \_\_\_\_\_ Year and Section: \_\_\_\_\_

**FIRST YEAR**

| FIRST SEMESTERSY _____ |   |           |                        |              |       |
|------------------------|---|-----------|------------------------|--------------|-------|
| Subject Code           | Descriptive Title                       | Units     | Pre-requisite          | Sem/SY Taken | Grade |
| *Eng 0                 | Grammar, Rhetoric and Composition       | 0         |                        |              |       |
| Eng 111                | Study and thinking Skills               | 3         | Passed Eng. Qual. Exam |              |       |
| Math 111               | College Algebra                         | 3         | -                      |              |       |
| Psych 111              | General Psychology                      | 3         | -                      |              |       |
| Chem 111               | General Chemistry 1                     | 5         | -                      |              |       |
| Tech Draw 111          | Fundamental of TS and ID                | 3         | -                      |              |       |
| Tech 111               | Basic Technology Process I              | 4         | -                      |              |       |
| P.E. 111               | Physical Fitness and Health             | 2         | -                      |              |       |
| NSTP111                | National Service Training Program(Army) | 3         | -                      |              |       |
|                        | <b>Total</b>                            | <b>26</b> |                        |              |       |

| SECOND SEMESTER _____ SY _____ |   |           |               |              |       |
|--------------------------------|---|-----------|---------------|--------------|-------|
| Subject code                   | Descriptive Title                       | Units     | Pre-requisite | Sem/SY Taken | Grade |
| Eng 112                        | Writing Discipline                      | 3         | Eng 111       |              |       |
| Math 112                       | Plane Trigonometry                      | 3         | Math 111      |              |       |
| BCS 111                        | Computer Fundamental w/ Application     | 3         | -             |              |       |
| Chem 112                       | General Chemistry 2                     | 5         | Chem 111      |              |       |
| Tech Draw 112                  | TS, ID, and Blue Print Reading          | 3         | Tech Draw 111 |              |       |
| Tech 112                       | Basic Technology Process II             | 4         | -             |              |       |
| P.E. 112                       | Recreation, Games and Sports            | 2         | P.E. 111      |              |       |
| NSTP 2                         | National Service Training Program(Army) | 3         | NSTP 1        |              |       |
|                                | <b>Total</b>                            | <b>26</b> |               |              |       |

**SECOND YEAR**

| FIRST SEMESTERSY _____ |  |           |                    |              |       |
|------------------------|--|-----------|--------------------|--------------|-------|
| Subject code           | Descriptive Title                            | Units     | Pre-requisite      | Sem/SY Taken | Grade |
| Eng 127                | Business Correspondence                      | 3         | Eng 112            |              |       |
| Fil 111                | Komunikasyonsa Akademikong Filipino          | 3         | -                  |              |       |
| Work Ethics 121        | Industrial Values                            | 3         | -                  |              |       |
| Tech Math 121          | Differential Calculus                        | 3         | Math 112           |              |       |
| Physics 121            | Mechanics and Heat                           | 5         | -                  |              |       |
| P.E. 121               | Social Recreation                            | 2         | P.E. 112           |              |       |
| **ELX 211              | Basics Electronics                           | 3         | Tech 111, Tech 112 |              |       |
| **ELX 212              | Electronics Principle                        | 2         | -do-               |              |       |
| **ELX 213              | Digital Electronics                          | 2         | -do-               |              |       |
| **ELX 214              | Electronics Workshop I                       | 1         | -do-               |              |       |
| **ELX 215              | Electrical/Electronics Measuring Instruments | 2         | -do-               |              |       |
|                        | <b>Total</b>                                 | <b>29</b> |                    |              |       |

| SECOND SEMESTER _____ SY _____ |   |           |   |              |       |
|--------------------------------|---|-----------|---|--------------|-------|
| Subject code                   | Descriptive Title                         | Units     | Pre-requisite   | Sem/SY Taken | Grade |
| Eng 122                        | Technical Writing & reporting             | 3         | Eng 112   |              |       |
| Lit 114                        | Phil. Literature in English               | 3         | Eng 112   |              |       |
| Fil 112                        | Pagbasa at Pagsulat/Tungosa/Pananaliksik  | 3         | Fil 111   |              |       |
| Tech Math 122                  | Integral Calculus w/ Analytical Geometry  | 3         | Tech Math 121   |              |       |
| Physics 122                    | Physics (Elec. Magnetism/Sound/Light)     | 5         | Physics 121   |              |       |
| P.E. 122                       | Sports Management & Cultural Presentation | 2         | P.E. 121  |              |       |
| **ELX 221                      | Basic Communications                      | 3         | All 1 <sup>st</sup> sem 2 <sup>nd</sup> year ELX subjects |              |       |
| **ELX 222                      | Instrumentation & Pneumatics              | 2         | -do-  |              |       |
| **ELX 223                      | Advance Digital Technique                 | 2         | -do-  |              |       |
| **ELX 224                      | Industrial Electronics                    | 2         | -do-  |              |       |
| **ELX 225                      | Electronics Workshop 2                    | 1         | -do-  |              |       |
|                                | <b>Total</b>                              | <b>29</b> |   |              |       |

| SUMMERSY     |                        |                |   |              |       |
|--------------|------------------------|----------------|---|--------------|-------|
| Subject code | Descriptive Title      | Units          | Pre-requisite                           | Sem/SY Taken | Grade |
| OJT 1        | Industrial Orientation | 5<br>(270 hrs) | All 2 <sup>nd</sup> Year Major Subjects |              |       |
| <b>Total</b> |                        | <b>5</b>       | -                                       |              |       |

### THIRD YEAR

| FIRST SEMESTER |   |           |   |              |       |
|----------------|---|-----------|---|--------------|-------|
| SY             |   |           |   |              |       |
| Subject code   | Descriptive Title                         | Units     | Pre-requisite                                   | Sem/SY Taken | Grade |
| Socio 111      | Culture, Society w/ Family Planning       | 3         | -   |              |       |
| Pol Sd 122     | New Constitution & Phil. Gov't            | 3         | -   |              |       |
| **ELX 311      | Transmission Lines and Antennas           | 3         | OJT 1 & all 2 <sup>nd</sup> year major subjects |              |       |
| **ELX 312      | Television Systems                        | 3         | -do-  |              |       |
| **ELX 313      | Industrial Process Control and Pneumatics | 3         | -do-  |              |       |
| **ELX 314      | Microcontrollers                          | 3         | -do-  |              |       |
| **ELX 315      | AutoCAD                                   | 2         | -do-  |              |       |
| **ELX 316      | Industrial Management                     | 3         | -do-  |              |       |
| **ELX 317      | Entrepreneurship                          | 3         | -do-  |              |       |
| **ELX 318      | Computer Hardware and Maintenance         | 3         | -do-  |              |       |
| <b>Total</b>   |   | <b>29</b> |   |              |       |

| SECOND SEMESTER |  |                 |   |              |       |
|-----------------|--|-----------------|---|--------------|-------|
| SY              |  |                 |   |              |       |
| Subject code    | Descriptive Title  | Units           | Pre-requisite   | Sem/SY Taken | Grade |
| **OJT 2         | Supervised Industrial Training                           | 21<br>(864 hrs) | All 3 <sup>rd</sup> year 1 <sup>st</sup> sem Major Subjects |              |       |
| ***FS 1         | Learner's Development and Environment (Field Study)      | 1               | -   |              |       |
| ***FS 2         | Experiencing the Teaching-Learning Process (Field Study) | 1               | -   |              |       |
| <b>Total</b>    |  | <b>23</b>       | -   |              |       |

| SUMMER       |                       |          |               |              |       |
|--------------|-----------------------|----------|---------------|--------------|-------|
| SY           |                       |          |               |              |       |
| Subject code | Descriptive Title     | Units    | Pre-requisite | Sem/SY Taken | Grade |
| Philo 122    | General Ethics        | 3        | -             |              |       |
| ***Ed 7      | Facilitating Learning | 3        | -             |              |       |
| Hist 141     | Rizal's Work & Life   | 3        | -             |              |       |
| <b>Total</b> |                       | <b>9</b> | -             |              |       |

### FOURTH YEAR

| FIRST SEMESTER |  |           |               |              |       |
|----------------|--|-----------|---------------|--------------|-------|
| SY             |  |           |               |              |       |
| Subject code   | Descriptive Title                                    | Units     | Pre-requisite | Sem/SY Taken | Grade |
| Lit 115        | World Literature                                     | 3         | Lit 114       |              |       |
| Hum 141        | Introduction to Humanities & Arts                    | 3         | -             |              |       |
| Hist 111       | Philippine History, Roots & Development              | 3         | -             |              |       |
| ***Ed 3        | Educational Technology                               | 3         | -             |              |       |
| ***Ed 4        | Principles of Teaching                               | 3         | -             |              |       |
| ***FS 3        | Technology in the Learning Environment (Field study) | 1         | -             |              |       |
| ***FS 4        | Exploring the Curriculum                             | 1         | -             |              |       |
| ***Ed 9        | Assessment of Student Learning                       | 3         | Ed 6          |              |       |
| ***Ed 10       | Development Reading                                  | 3         | -             |              |       |
| ***Ed 12       | The Teaching Professions                             | 3         | -             |              |       |
| <b>Total</b>   |  | <b>26</b> | -             |              |       |

| SECOND SEMESTER |   |           |               |              |       |
|-----------------|---|-----------|---------------|--------------|-------|
| SY              |   |           |               |              |       |
| Subject code    | Descriptive Title                             | Units     | Pre-requisite | Sem/SY Taken | Grade |
| Econ 111        | Basic Economics w/ Taxation & Agrarian Reform | 3         |               |              |       |
| ***FS 5         | Field Study                                   | 1         |               |              |       |
| ***FS 6         | Field Study 6                                 | 1         |               |              |       |
| ***Ed 15        | Practice Teaching                             | 6         |               |              |       |
| <b>Total</b>    |   | <b>11</b> |               |              |       |

- \*\*Cut-off grade for all major subjects is 2.5.
- Cut-off grade for minor subjects is 3.0 except for transferees from other institutions(2.5).
- \*\*\* Subjects can be taken either in the first semester or second semester.